

```
# Azure Databricks Commands for Pizza Sales Analysis

## Mount Azure Blob Storage
```python
dbutils.fs.mount(
 source = "wasbs://raw@projectstorage00001.blob.core.windows.net",
 mount_point = "/mnt/raw1",
 extra_configs = {"fs.azure.account.key.projectstorage00001.blob.core.windows.net": "abFRjnPJE5C+X7LQ9d3S03Q/rovgmNUjFReouW"}
)
```

## List Files in the Mounted Directory

```
dbutils.fs.ls("/mnt/raw1/")
```

## Load Data into a Spark DataFrame

```
df = spark.read.format("csv").options(header='True',inferSchema='True').load('dbfs:/mnt/raw1/dbo.pizza_sales.txt')
```

## Display the DataFrame

```
display(df)
```

## Create a Temporary SQL View

```
df.createOrReplaceTempView('pizza_sales_analysis')
```

## SQL Queries on the Temporary View

### Select All Records

```
%sql
select * from pizza_sales_analysis;
```

### Extract Order Details

```
%sql
select
 order_id,
 quantity,
 date_format(order_date, 'MMM') as month_name,
 date_format(order_date, 'EEEE') as day_name,
 hour(order_time) as order_time,
 unit_price,
 total_price,
 pizza_size,
 pizza_category,
 pizza_name
from pizza_sales_analysis;
```

### Aggregate Sales Data

```
%sql
select
 count(distinct order_id) as total_orders,
 sum(quantity) as total_quantity,
 date_format(order_date, 'MMM') as month_name,
 date_format(order_date, 'EEEE') as day_name,
 hour(order_time) as order_time,
 sum(unit_price) as total_unit_price,
 sum(total_price) as total_sales,
 pizza_size,
 pizza_category,
 pizza_name
from pizza_sales_analysis
group by 3, 4, 5, 8, 9, 10;
```

```
<style type="text/css">@media print {
 *, :after, :before {background: 0 0 !important;color: #000 !important;box-shadow: none !important;text-shadow: none !im
 a, a:visited {text-decoration: underline}
 a[href]:after {content: " (" attr(href) ")"}
 abbr[title]:after {content: " (" attr(title) ")"}
 a[href="#"]:after, a[href^="javascript:"]:after {content: ""}
 blockquote, pre {border: 1px solid #999;page-break-inside: avoid}
 thead {display: table-header-group}
 img, tr {page-break-inside: avoid}
 img {max-width: 100% !important}
 h2, h3, p {orphans: 3;widows: 3}
 h2, h3 {page-break-after: avoid}
}
html {font-size: 12px}
@media screen and (min-width: 32rem) and (max-width: 48rem) {
 html {font-size: 15px}
}
@media screen and (min-width: 48rem) {
 html {font-size: 16px}
}
```

```
body {line-height: 1.85}
.air-p, p {font-size: 1rem;margin-bottom: 1.3rem}
.air-h1, .air-h2, .air-h3, .air-h4, h1, h2, h3, h4 {margin: 1.414rem 0 .5rem;font-weight: inherit;line-height: 1.42}
.air-h1, h1 {margin-top: 0;font-size: 3.998rem}
.air-h2, h2 {font-size: 2.827rem}
.air-h3, h3 {font-size: 1.999rem}
.air-h4, h4 {font-size: 1.414rem}
.air-h5, h5 {font-size: 1.121rem}
.air-h6, h6 {font-size: .88rem}
.air-small, small {font-size: .707em}
canvas, iframe, img, select, svg, textarea, video {max-width: 100%}
body {color: #444;font-family: 'Open Sans', Helvetica, sans-serif;font-weight: 300;margin: 0;text-align: center}
img {border-radius: 50%;height: 200px;margin: 0 auto;width: 200px}
a, a:visited {color: #3498db}
a:active, a:focus, a:hover {color: #2980b9}
pre {background-color: #fafafa;padding: 1rem;text-align: left}
blockquote {margin: 0;border-left: 5px solid #7a7a7a;font-style: italic;padding: 1.33em;text-align: left}
li, ol, ul {text-align: left}
p {color: #777}</style>
```